

Title (en)

Starting and driveline shock protection control method and system

Title (de)

Steuerverfahren- und Vorrichtung zur Verringerung von Anfahr- und Antriebsstrangstößen

Title (fr)

Méthode et dispositif de commande pour diminuer les chocs de démarrage et dans la chaîne de transmission

Publication

EP 1070625 A3 20020515 (EN)

Application

EP 00115121 A 20000712

Priority

US 35675799 A 19990719

Abstract (en)

[origin: US6126569A] A method/system for controlling an automated mechanical transmission system (10) utilized on a vehicle. To protect from driveline damage due to clutch "popping," upon sensing vehicle launch conditions (clutch (16) not engaged, transmission (14) engaged (THL>REFTHL and OS<REFSPEED)), engine speed is limited to idle speed plus a preset value (ES<(ESIDLE+RPM)).

IPC 1-7

B60K 41/08; **B60K 28/08**

IPC 8 full level

B60W 10/04 (2006.01); **B60K 28/08** (2006.01); **B60W 10/02** (2006.01); **B60W 10/06** (2006.01); **B60W 30/18** (2012.01); **F02D 29/00** (2006.01); **F02D 29/02** (2006.01); **F02D 41/08** (2006.01); **F16H 59/52** (2006.01); **F16H 59/60** (2006.01); **F16H 61/02** (2006.01)

CPC (source: EP US)

B60W 10/06 (2013.01 - EP US); **B60W 10/11** (2013.01 - EP US); **B60W 10/111** (2013.01 - EP US); **B60W 30/18027** (2013.01 - EP US); **B60W 2510/0208** (2013.01 - EP US); **B60W 2510/0604** (2013.01 - EP US); **B60W 2510/1005** (2013.01 - EP US); **B60W 2520/10** (2013.01 - EP US); **B60W 2530/10** (2013.01 - EP US); **B60W 2710/0644** (2013.01 - EP US); **B60W 2710/065** (2013.01 - EP US); **B60Y 2200/14** (2013.01 - EP US); **F16H 61/0248** (2013.01 - EP US); **F16H 2061/023** (2013.01 - EP US)

Citation (search report)

- [A] US 5529548 A 19960625 - MACK WILLIAM J [US]
- [A] EP 0695890 A2 19960207 - EATON CORP [US]
- [PA] EP 0931686 A1 19990728 - EATON CORP [US]
- [A] DE 19726214 A1 19981224 - BOSCH GMBH ROBERT [DE]
- [A] US 4714144 A 19871222 - SPERANZA DONALD [US]

Cited by

US9181885B2; US7584039B2; US8672806B2; US8579761B2; US8753250B2; WO2005084994A1; WO2011131405A1

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